

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044924.D
 Acq On : 28 Sep 2021 06:11
 Operator : SY/MD
 Sample : M3904-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JET-GROUT-SPOIL-STEEL-WHEEL

Quant Time: Sep 28 08:22:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

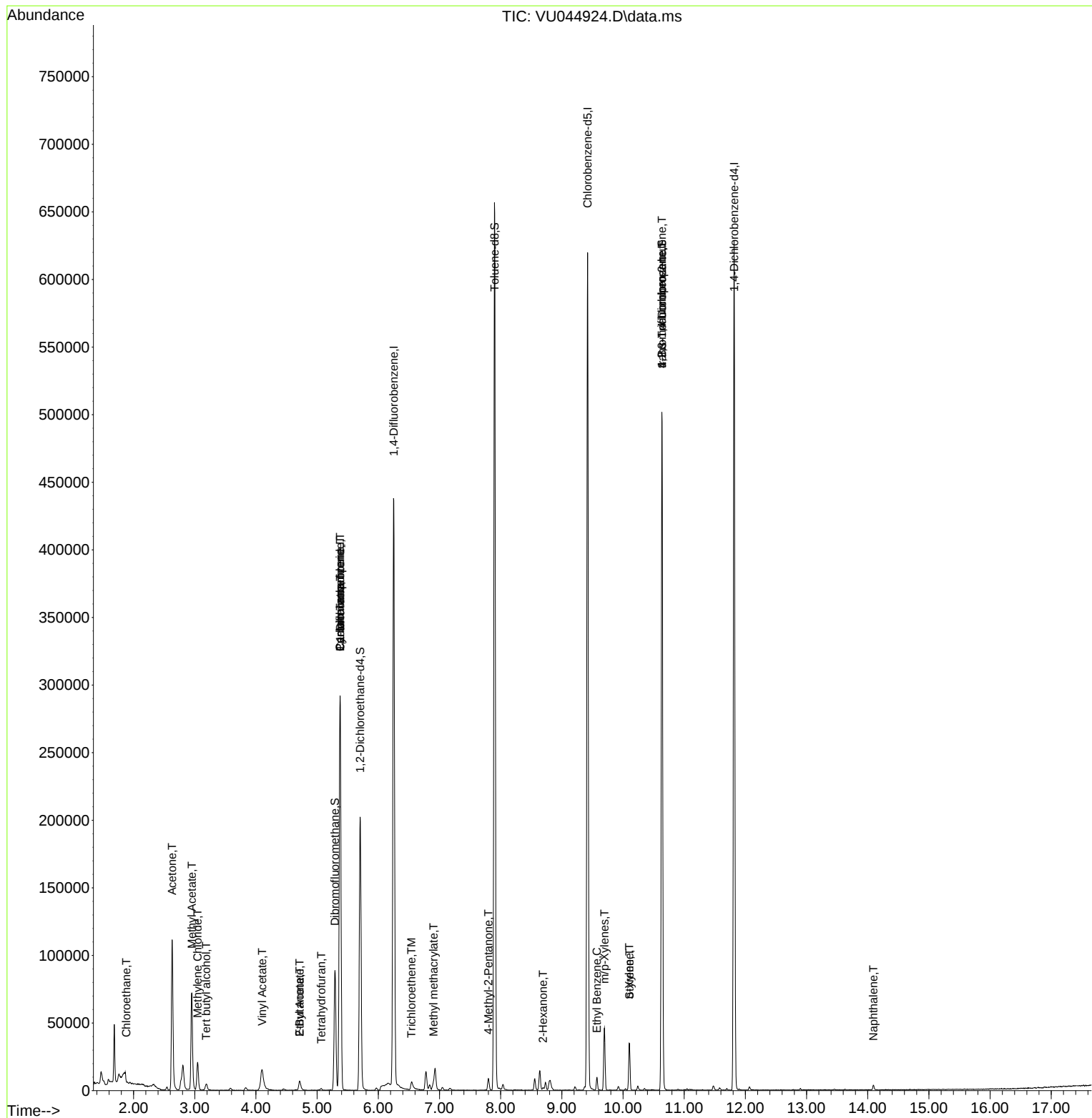
Internal Standards						
1) Pentafluorobenzene	5.375	168	190882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	336002	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	316256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	152428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	151585	45.502	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.000%	
35) Dibromofluoromethane	5.292	113	56384	24.461	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.920%	
50) Toluene-d8	7.899	98	419079	48.139	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.280%	
62) 4-Bromofluorobenzene	10.635	95	165739	51.258	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.520%	
Target Compounds					Qvalue	
5) Bromomethane	1.832	94	205	Below Cal	#	80
6) Chloroethane	1.883	64	1855	0.487	ug/l #	69
11) Tert butyl alcohol	3.186	59	3881	3.991	ug/l #	72
16) Acetone	2.629	43	127142	67.660	ug/l	99
18) Methyl Acetate	2.951	43	84317	13.431	ug/l	97
20) Methylene Chloride	3.047	84	9265	3.046	ug/l	93
23) Vinyl Acetate	4.102	43	3804	0.526	ug/l #	72
25) 2-Butanone	4.713	43	11504	4.035	ug/l	97
29) Tetrahydrofuran	5.070	42	737	0.411	ug/l #	84
31) Cyclohexane	5.375	56	4898	1.024	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	17582	4.932	ug/l #	49
37) Ethyl Acetate	4.713	43	11504	2.199	ug/l #	69
38) Carbon Tetrachloride	5.375	117	19924	6.251	ug/l #	15
44) Trichloroethene	6.542	130	960	0.367	ug/l	65
48) Methyl methacrylate	6.903	41	7250	2.099	ug/l #	27
51) 4-Methyl-2-Pentanone	7.800	43	6194	1.188	ug/l	97
59) 2-Hexanone	8.693	43	1642	0.392	ug/l	89
67) Ethyl Benzene	9.574	91	6935	0.592	ug/l	95
68) m/p-Xylenes	9.697	106	12603	2.812	ug/l	99
69) o-Xylene	10.102	106	9293	2.144	ug/l	99
70) Styrene	10.105	104	513	1.073	ug/l #	1
76) 1,2,3-Trichloropropane	10.635	75	90659	19.641	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	90659	63.626	ug/l #	9
95) Naphthalene	14.092	128	3554	1.241	ug/l #	96

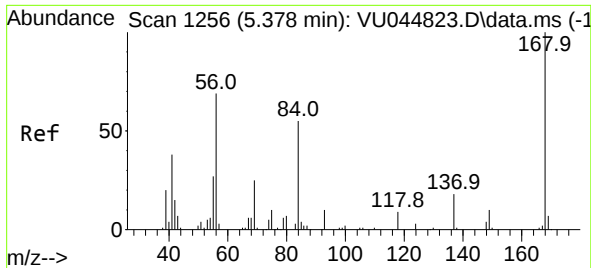
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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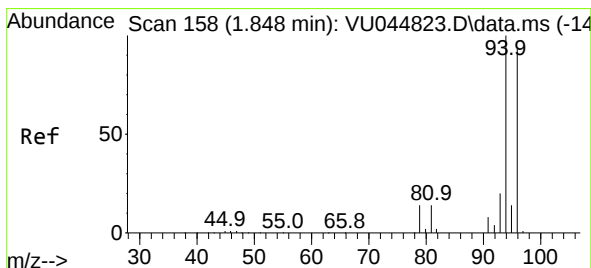
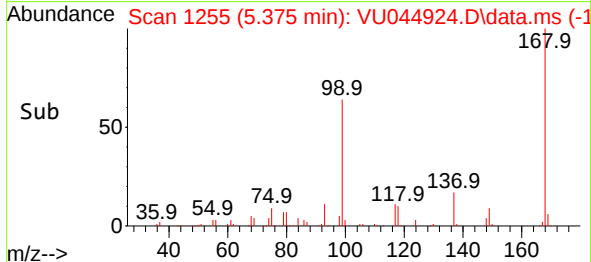
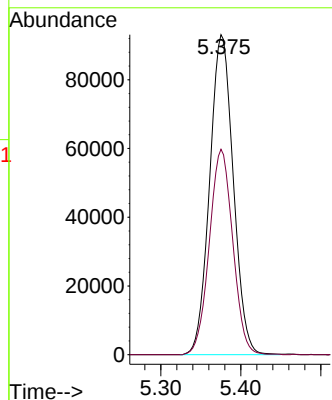
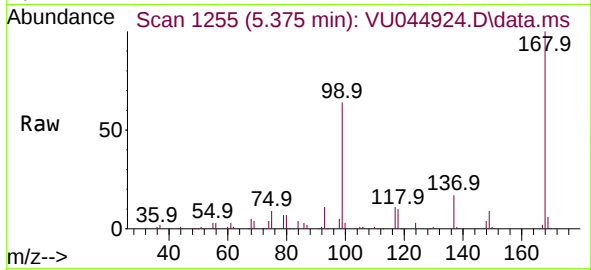




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.003 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

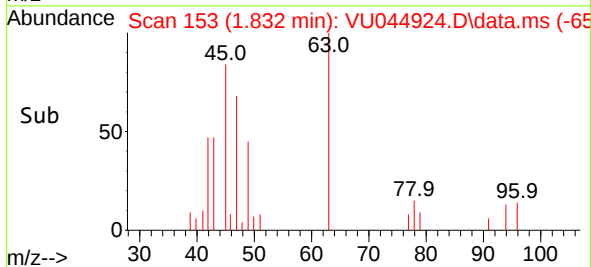
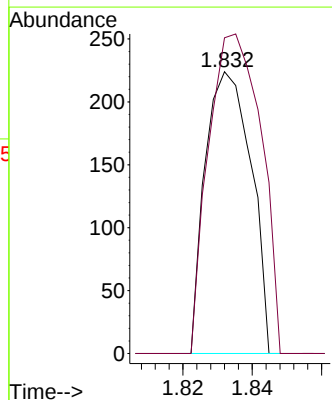
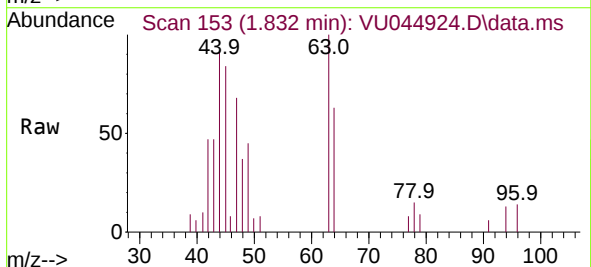
Instrument :
MSVOA_U
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

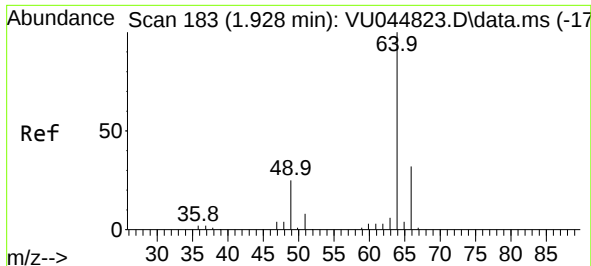
Tgt Ion:168 Resp: 190882
Ion Ratio Lower Upper
168 100
99 64.2 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 1.832 min Scan# 153
Delta R.T. -0.016 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion: 94 Resp: 205
Ion Ratio Lower Upper
94 100
96 112.1 74.5 111.7#

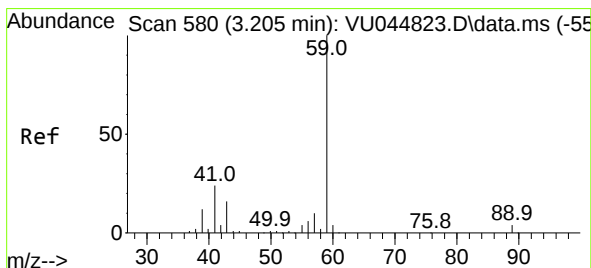
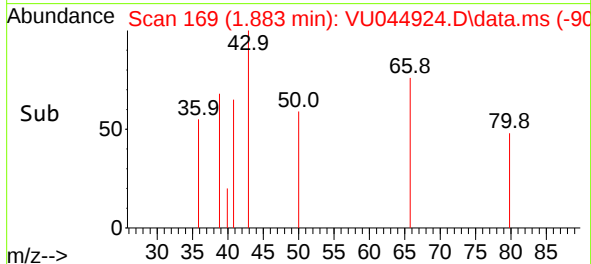
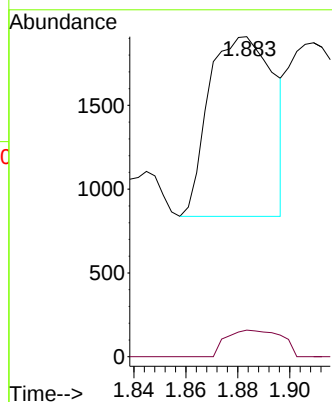
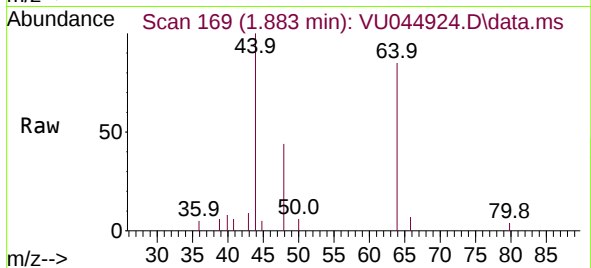




#6
Chloroethane
Concen: 0.487 ug/l
RT: 1.883 min Scan# 169
Delta R.T. -0.045 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

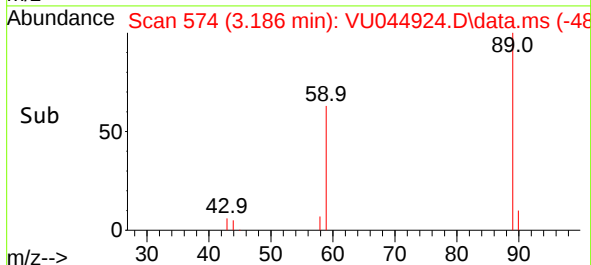
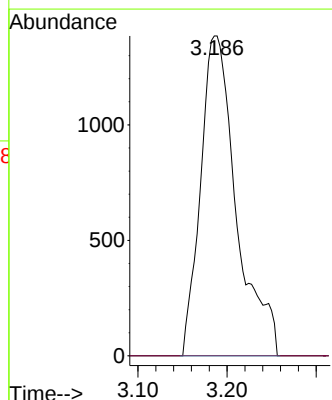
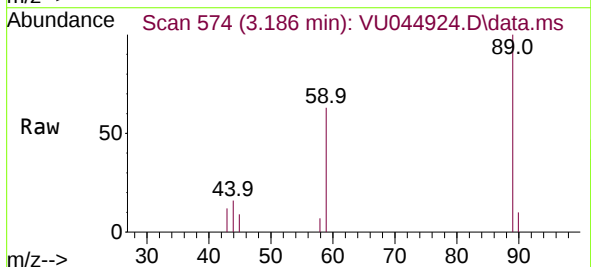
Instrument :
MSVOA_U
ClientSampleId :
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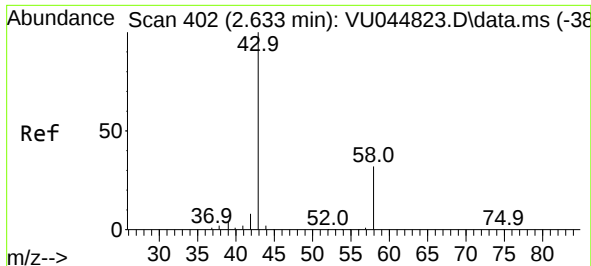
Tgt Ion: 64 Resp: 1855
Ion Ratio Lower Upper
64 100
66 14.8 25.8 38.8#



#11
Tert butyl alcohol
Concen: 3.991 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.019 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion: 59 Resp: 3881
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

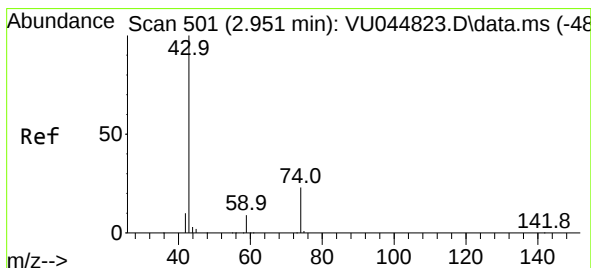
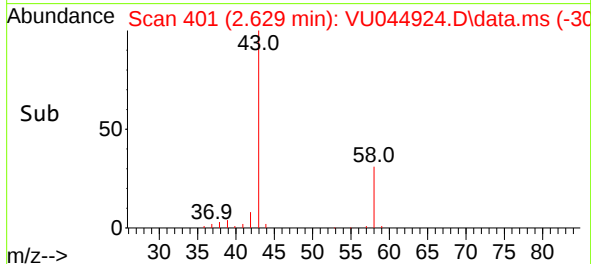
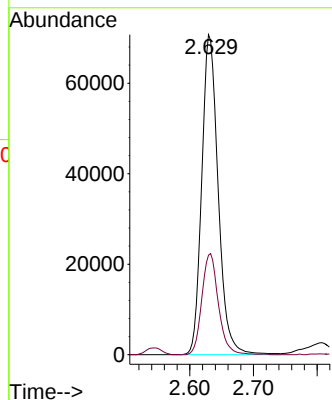
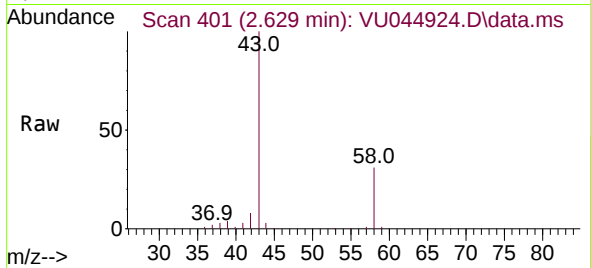




#16
Acetone
Concen: 67.660 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

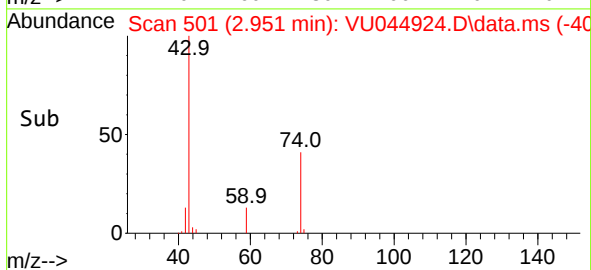
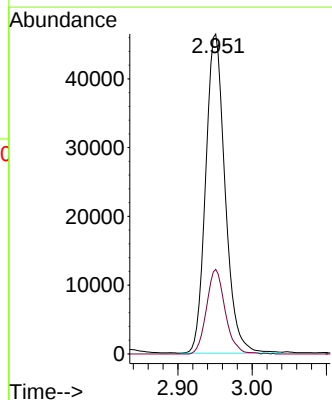
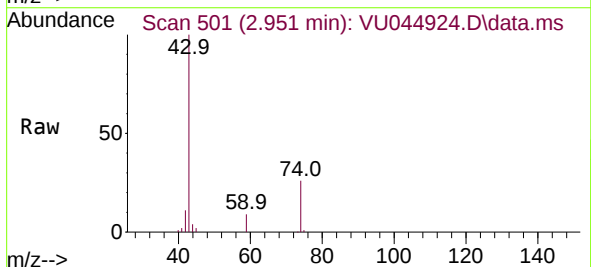
Instrument :
MSVOA_U
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

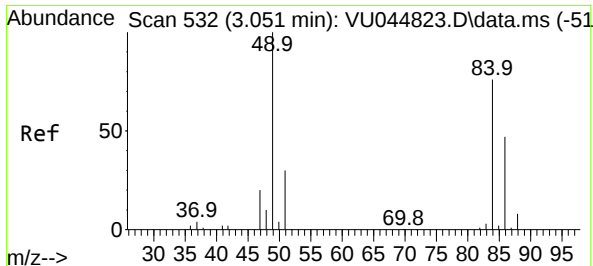
Tgt Ion: 43 Resp: 127142
Ion Ratio Lower Upper
43 100
58 31.1 25.2 37.8



#18
Methyl Acetate
Concen: 13.431 ug/l
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion: 43 Resp: 84317
Ion Ratio Lower Upper
43 100
74 25.5 19.0 28.6

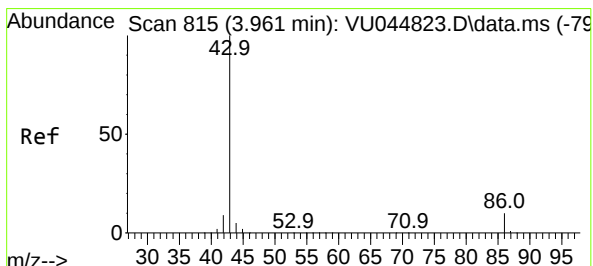
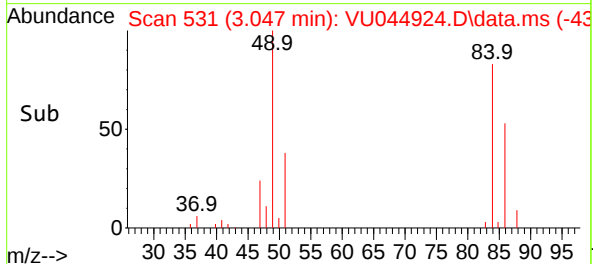
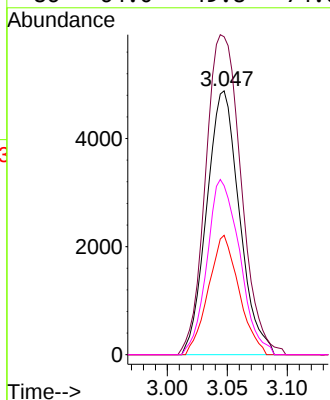
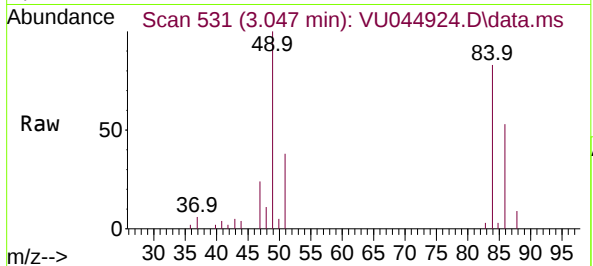




#20
Methylene Chloride
Concen: 3.046 ug/l
RT: 3.047 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

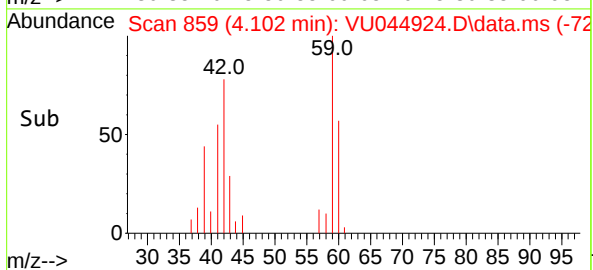
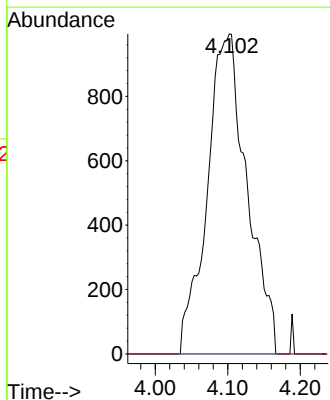
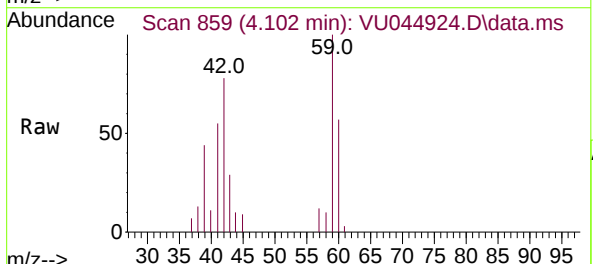
Instrument :
MSVOA_U
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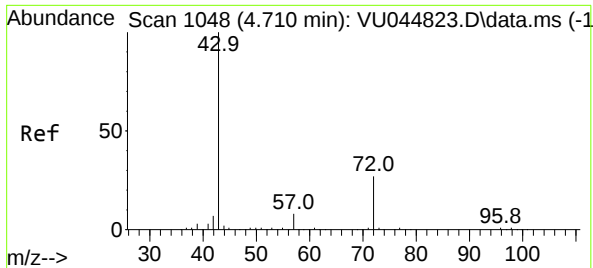
Tgt Ion:	84	Resp:	9265
Ion	Ratio	Lower	Upper
84	100		
49	120.5	104.9	157.3
51	45.2	31.8	47.8
86	64.0	49.8	74.6



#23
Vinyl Acetate
Concen: 0.526 ug/l
RT: 4.102 min Scan# 859
Delta R.T. 0.141 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion:	43	Resp:	3804
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

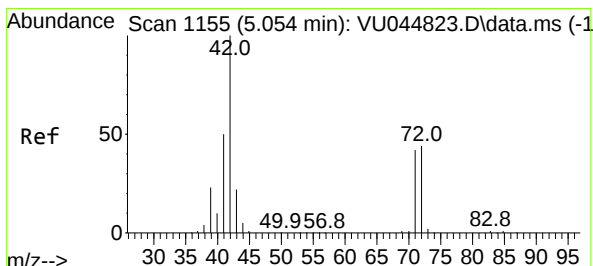
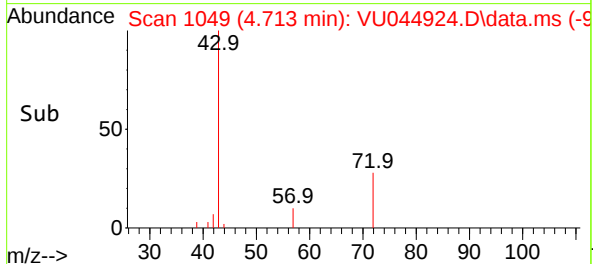
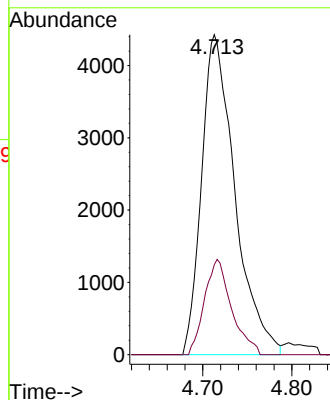
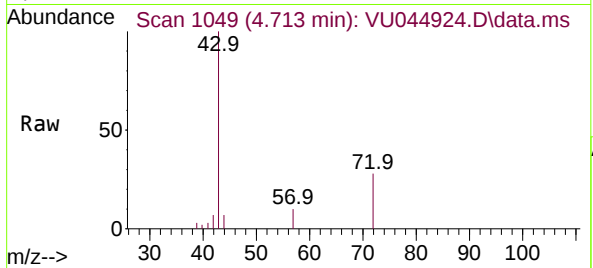




#25
2-Butanone
Concen: 4.035 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

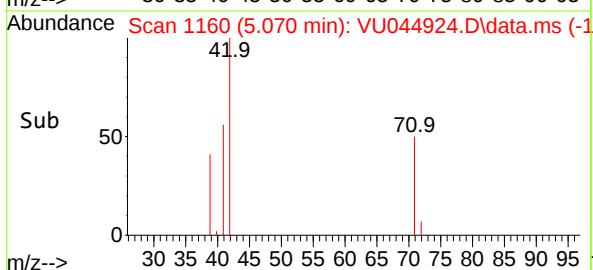
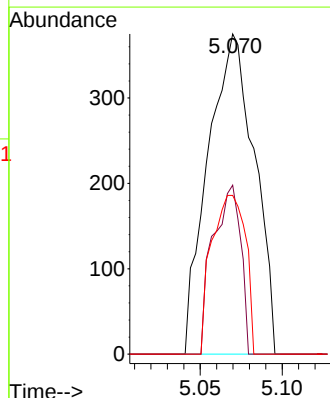
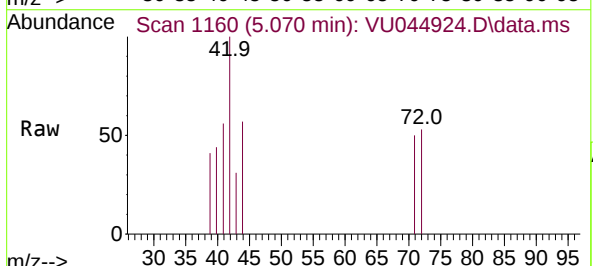
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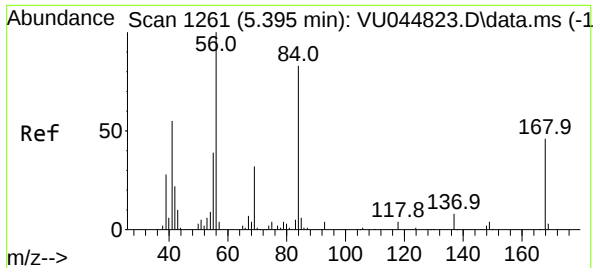
Tgt Ion: 43 Resp: 11504
Ion Ratio Lower Upper
43 100
72 28.1 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.411 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.016 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion: 42 Resp: 737
Ion Ratio Lower Upper
42 100
72 31.3 36.2 54.4#
71 36.0 34.1 51.1

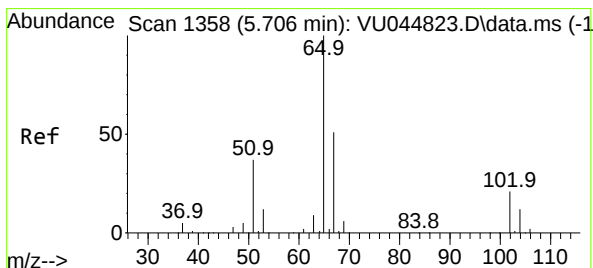
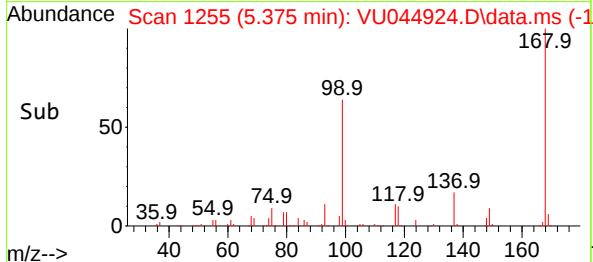
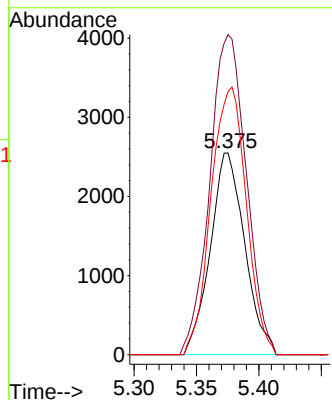
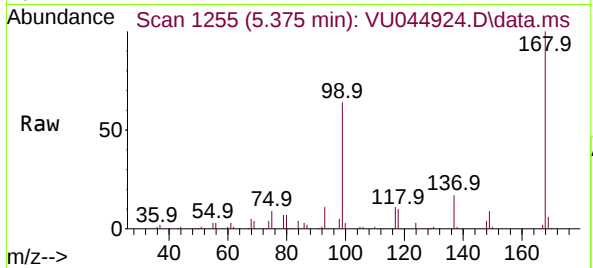




#31
Cyclohexane
Concen: 1.024 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.019 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

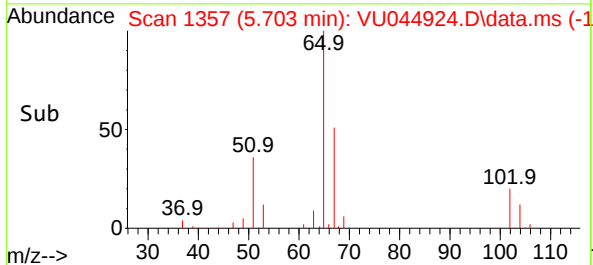
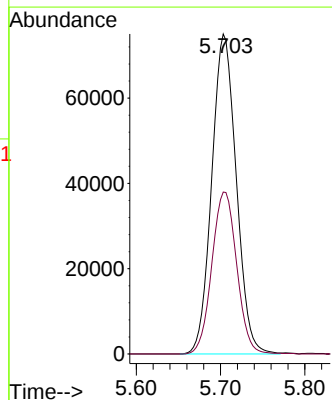
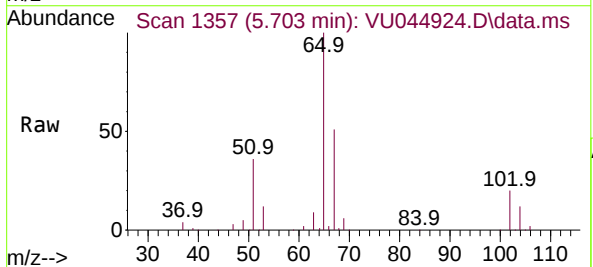
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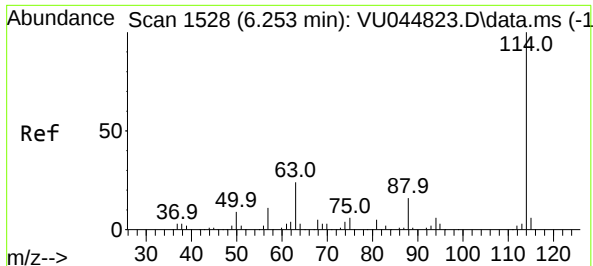
Tgt Ion: 56 Resp: 4898
Ion Ratio Lower Upper
56 100
69 158.7 25.2 37.8#
84 130.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 45.502 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion: 65 Resp: 151585
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU044924.D

Acq: 28 Sep 2021 06:11

Tgt Ion:114 Resp: 336002

Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.8

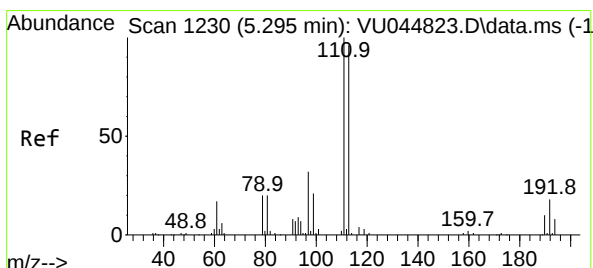
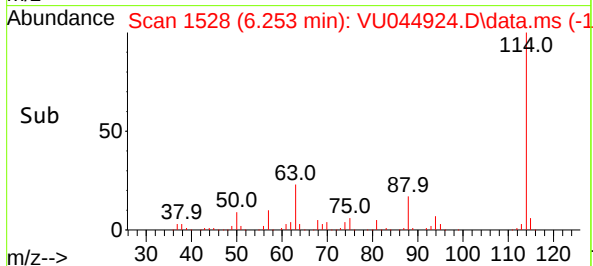
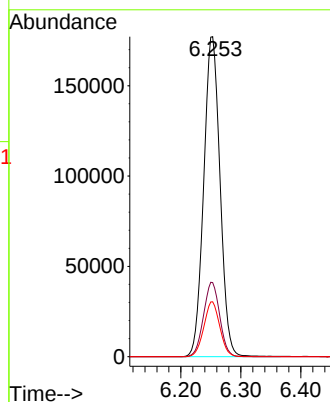
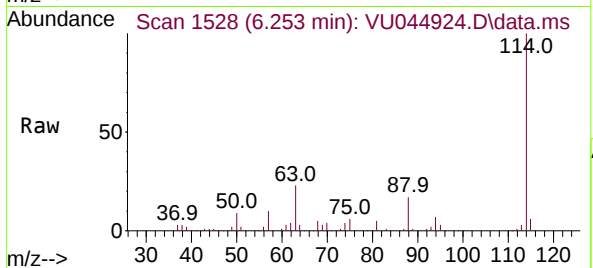
88 17.1 0.0 32.8

Instrument :

MSVOA_U

ClientSampleId :

JET-GROUT-SPOIL-STEEL-WHEEL



#35

Dibromofluoromethane

Concen: 24.461 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.003 min

Lab File: VU044924.D

Acq: 28 Sep 2021 06:11

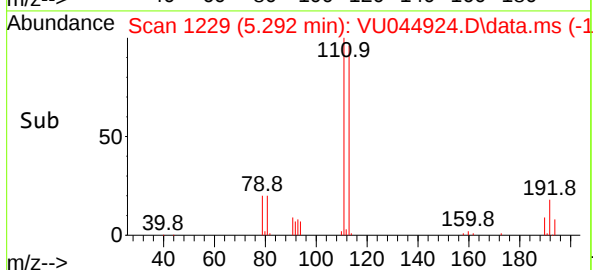
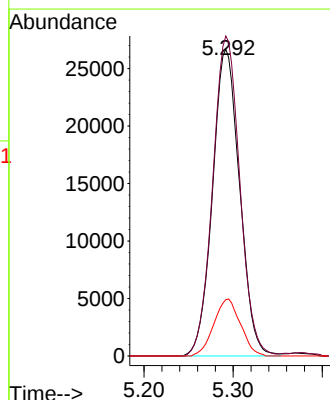
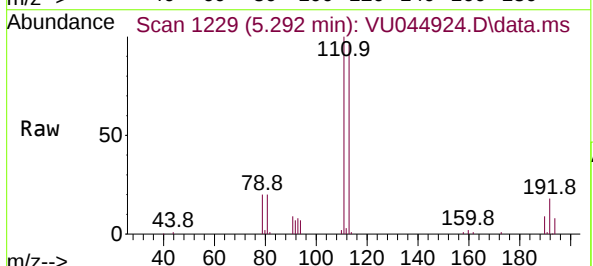
Tgt Ion:113 Resp: 56384

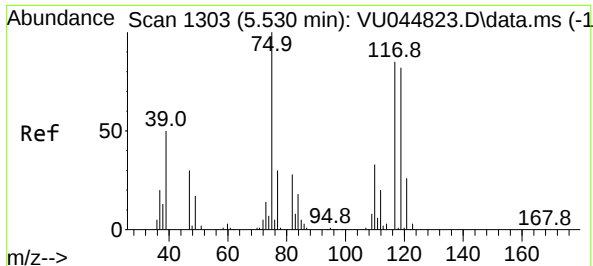
Ion Ratio Lower Upper

113 100

111 104.0 84.1 126.1

192 18.3 14.8 22.2



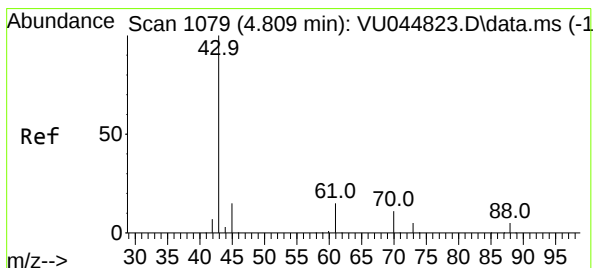
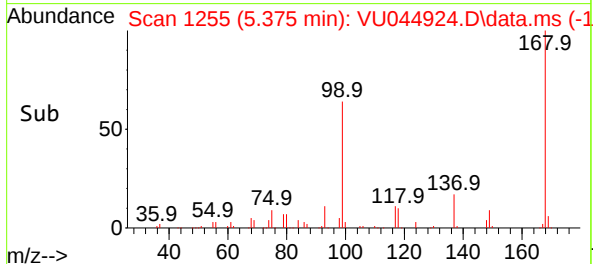
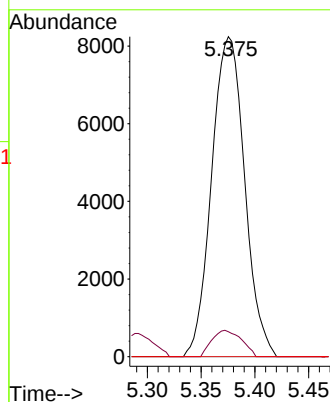
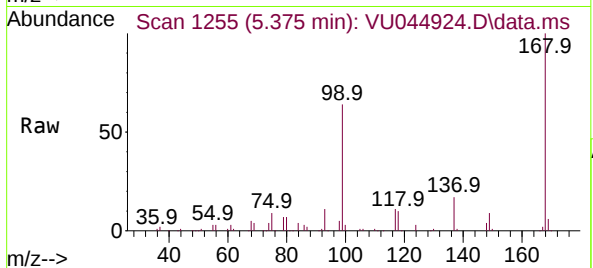


#36

1,1-Dichloropropene
Concen: 4.932 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Instrument :
MSVOA_U
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

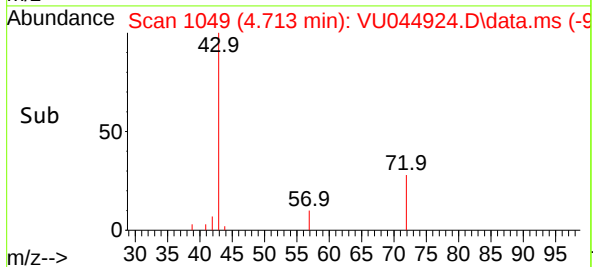
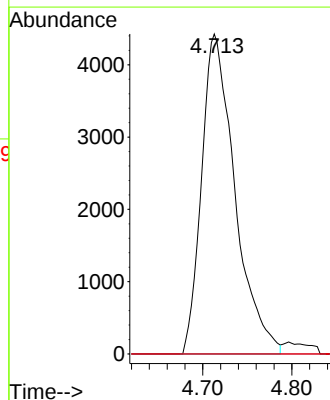
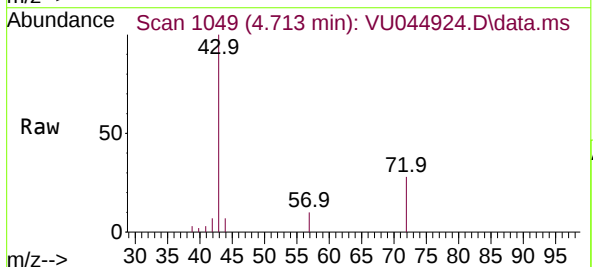
Tgt Ion: 75 Resp: 17582
Ion Ratio Lower Upper
75 100
110 7.4 16.3 48.9#
77 0.0 25.0 37.4#

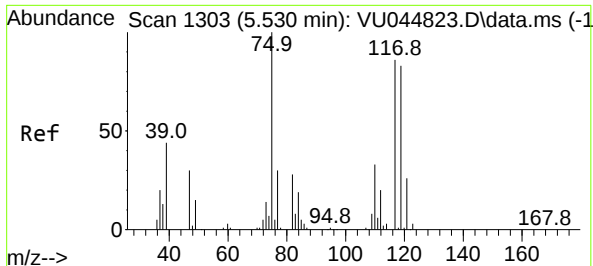


#37

Ethyl Acetate
Concen: 2.199 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.096 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

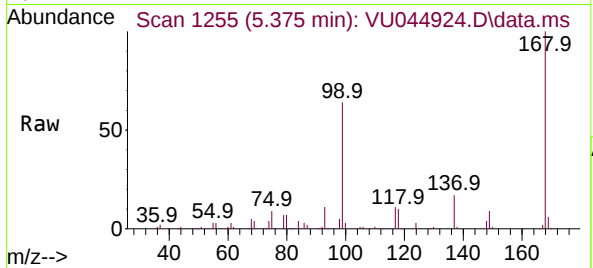
Tgt Ion: 43 Resp: 11504
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



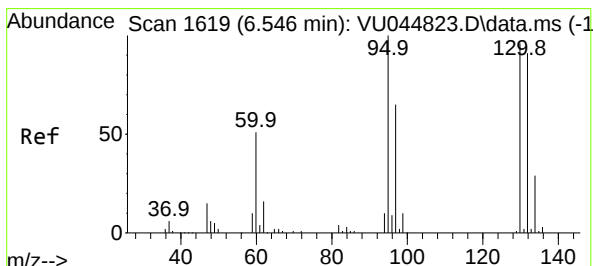
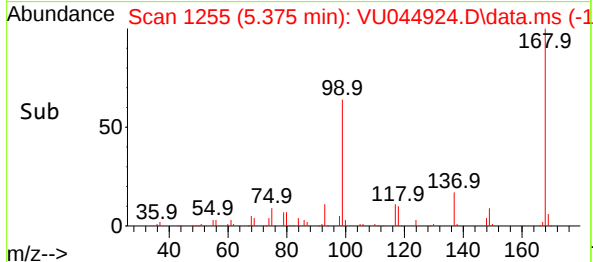
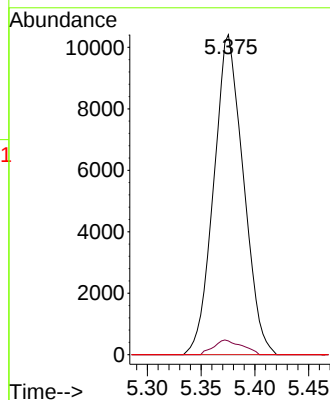


#38
Carbon Tetrachloride
Concen: 6.251 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Instrument :
MSVOA_U
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

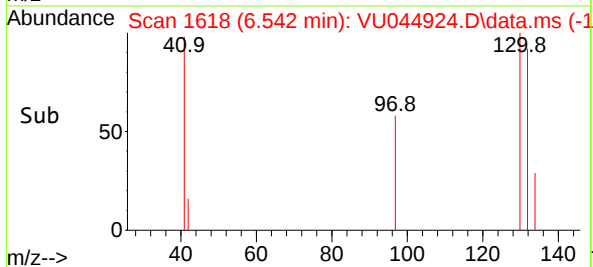
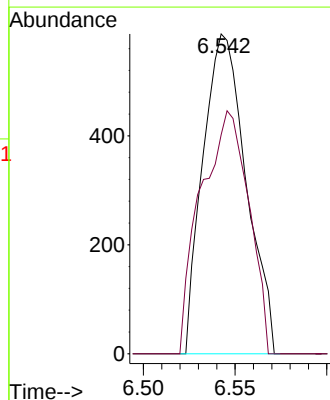
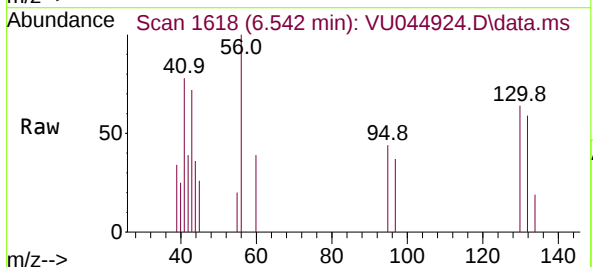


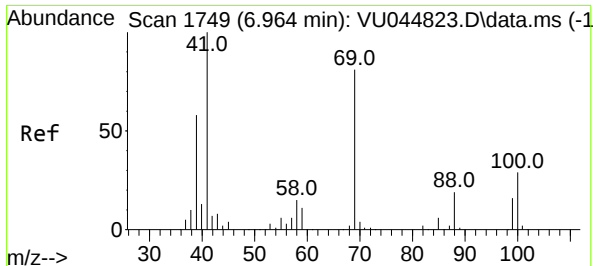
Tgt Ion:117 Resp: 19924
Ion Ratio Lower Upper
117 100
119 4.3 77.4 116.2#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 0.367 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion:130 Resp: 960
Ion Ratio Lower Upper
130 100
95 68.5 0.0 209.0





#48

Methyl methacrylate

Concen: 2.099 ug/l

RT: 6.903 min Scan# 1730

Delta R.T. -0.061 min

Lab File: VU044924.D

Acq: 28 Sep 2021 06:11

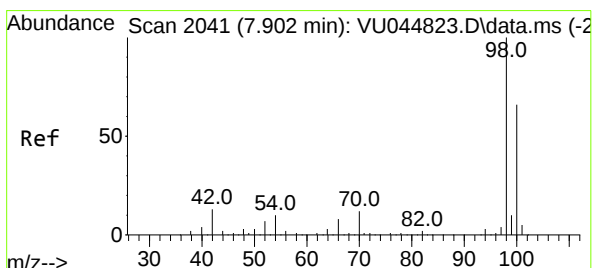
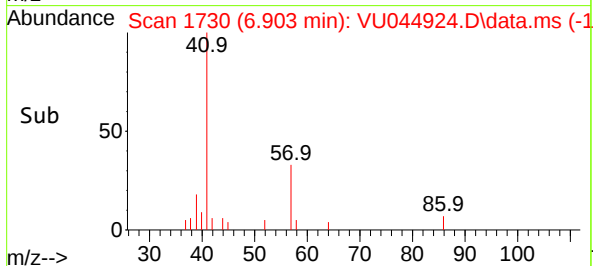
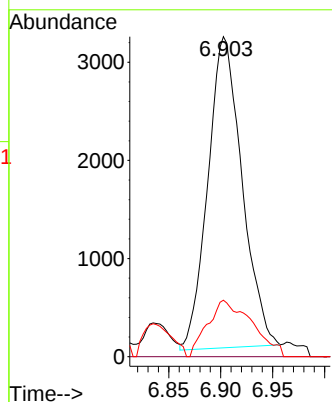
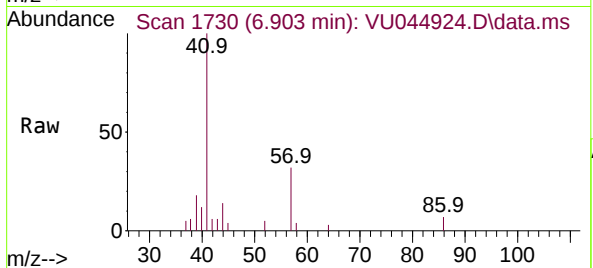
Tgt Ion:	41	Resp:	7250
Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.6	98.4#
39	23.5	46.2	69.4#

Instrument :

MSVOA_U

ClientSampleId :

JET-GROUT-SPOIL-STEEL-WHEEL



#50

Toluene-d8

Concen: 48.139 ug/l

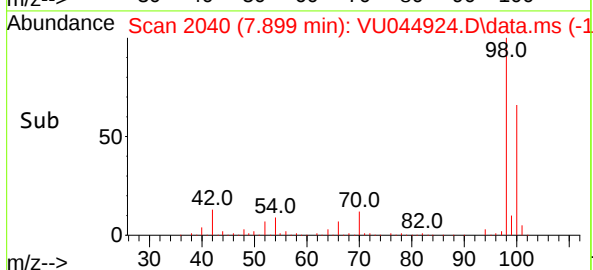
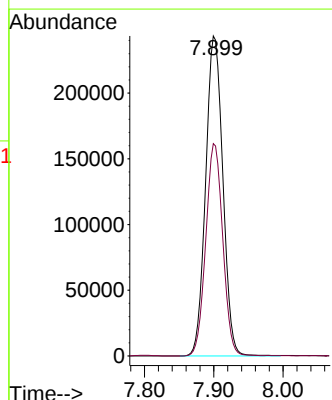
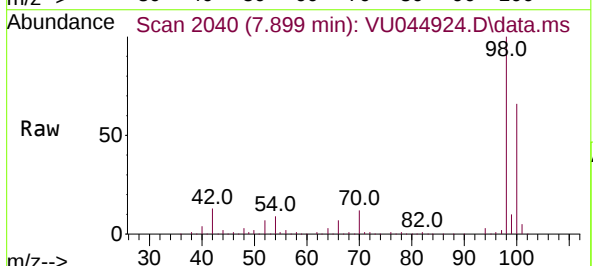
RT: 7.899 min Scan# 2040

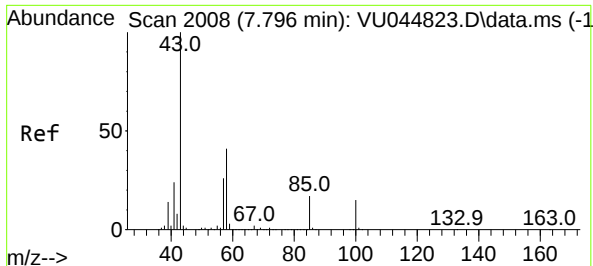
Delta R.T. -0.003 min

Lab File: VU044924.D

Acq: 28 Sep 2021 06:11

Tgt Ion:	98	Resp:	419079
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

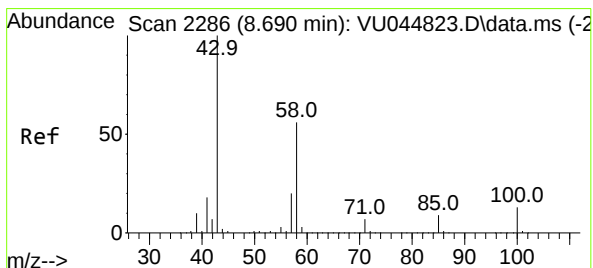
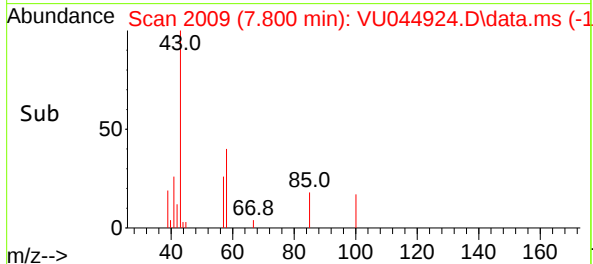
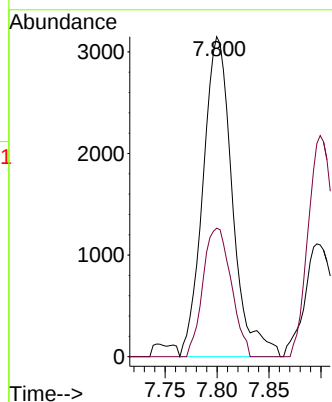
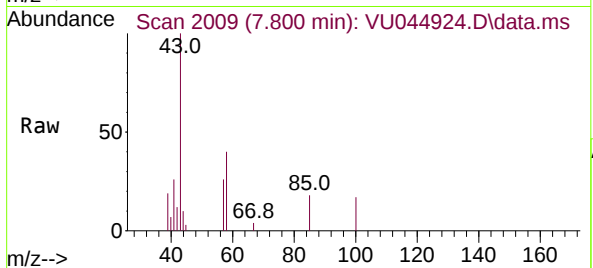




#51
4-Methyl-2-Pentanone
Concen: 1.188 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

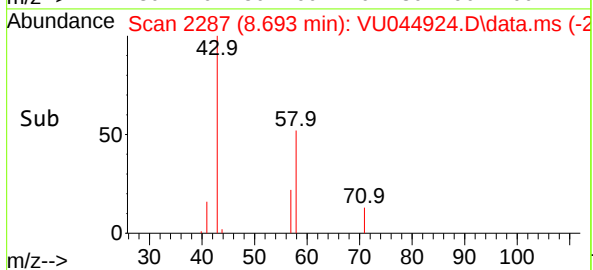
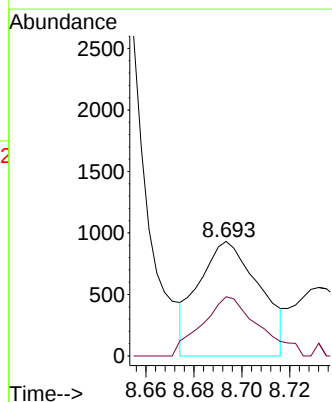
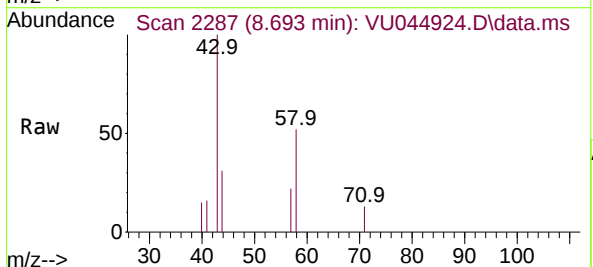
Instrument :
MSVOA_U
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

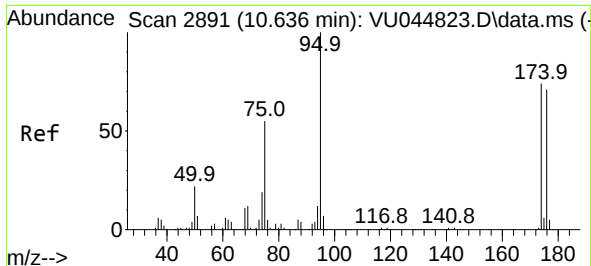
Tgt Ion: 43 Resp: 6194
Ion Ratio Lower Upper
43 100
58 38.5 32.4 48.6



#59
2-Hexanone
Concen: 0.392 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. 0.003 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion: 43 Resp: 1642
Ion Ratio Lower Upper
43 100
58 48.1 28.0 84.0

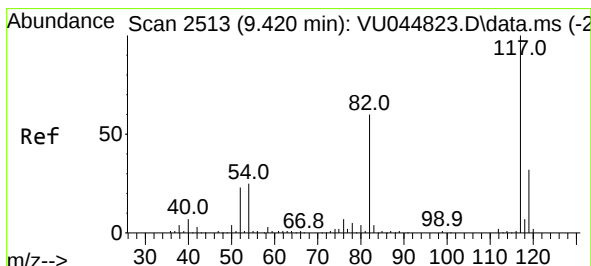
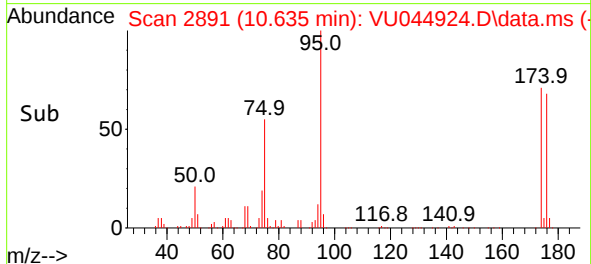
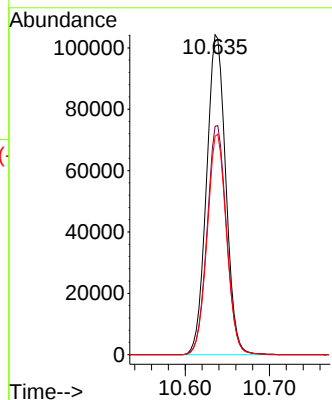
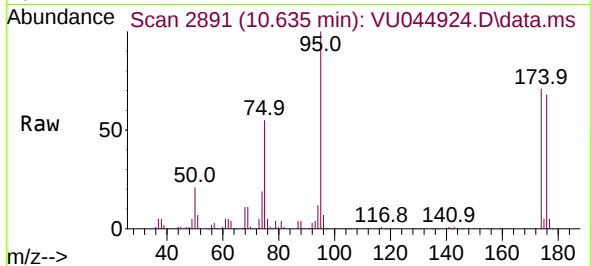




#62
4-Bromofluorobenzene
Concen: 51.258 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

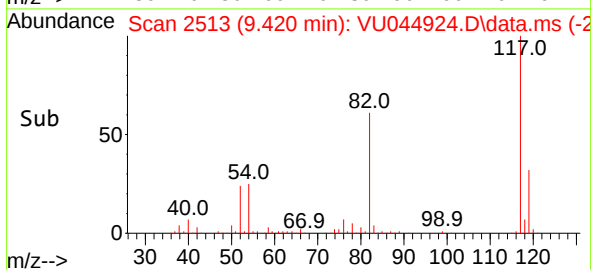
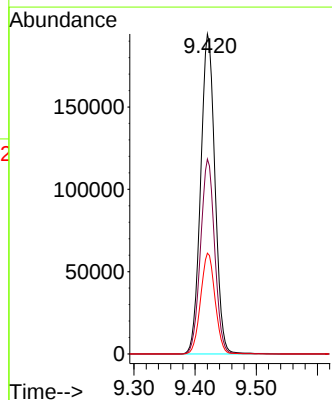
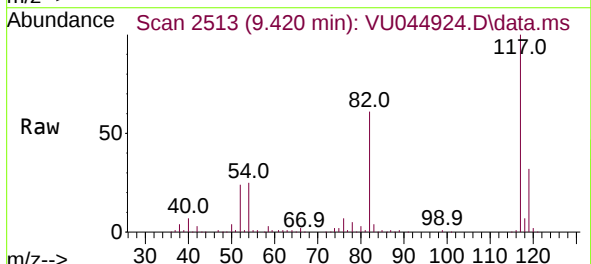
Instrument :
MSVOA_U
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

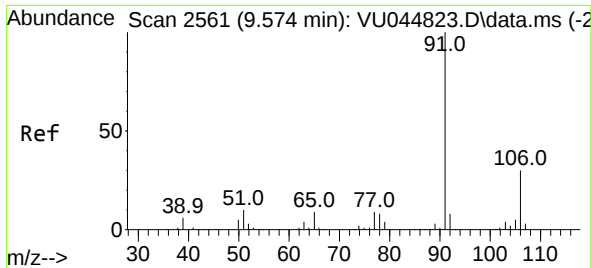
Tgt Ion: 95 Resp: 165739
Ion Ratio Lower Upper
95 100
174 72.2 0.0 146.6
176 69.3 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion: 117 Resp: 316256
Ion Ratio Lower Upper
117 100
82 60.9 47.8 71.8
119 31.5 25.8 38.6

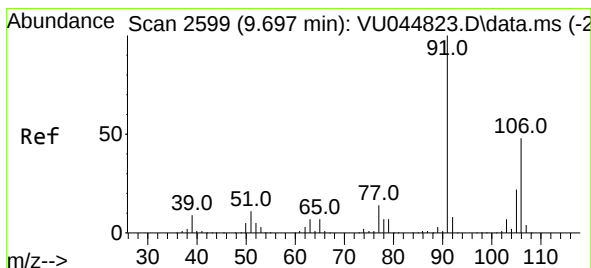
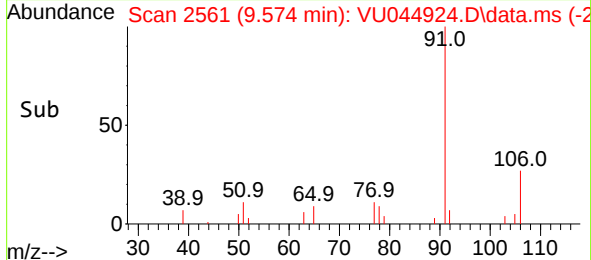
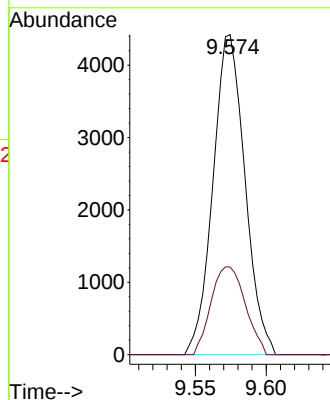
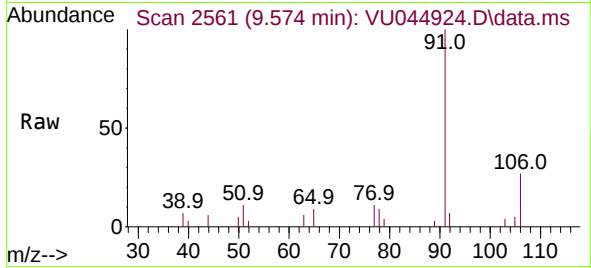




#67
Ethyl Benzene
Concen: 0.592 ug/l
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

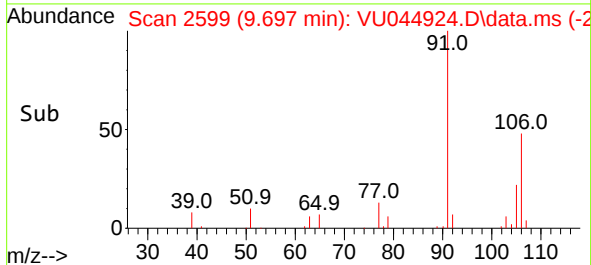
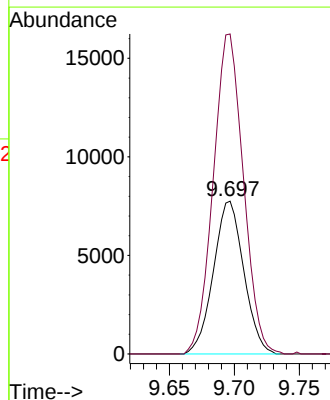
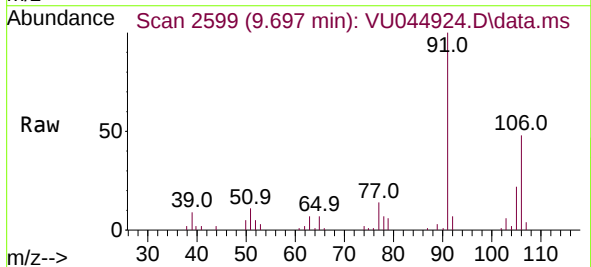
Instrument :
MSVOA_U
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

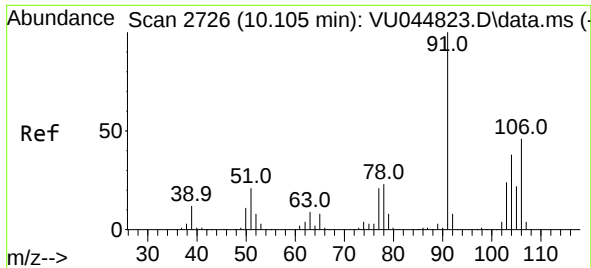
Tgt Ion: 91 Resp: 6935
Ion Ratio Lower Upper
91 100
106 27.4 24.3 36.5



#68
m/p-Xylenes
Concen: 2.812 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion: 106 Resp: 12603
Ion Ratio Lower Upper
106 100
91 207.5 164.2 246.2

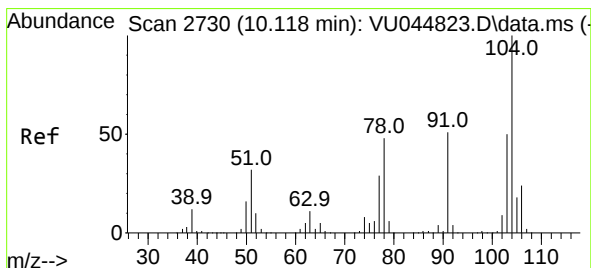
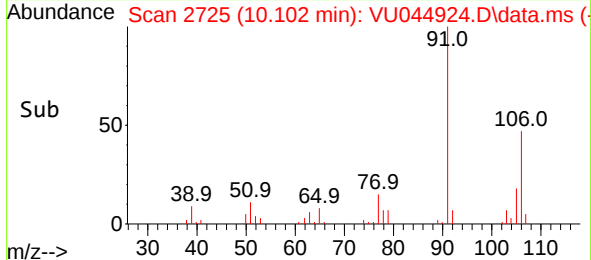
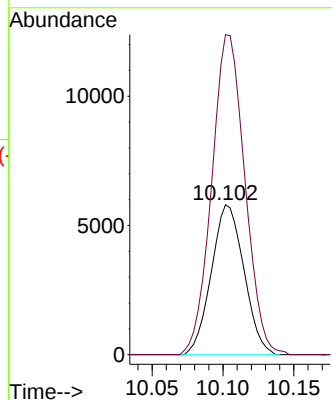
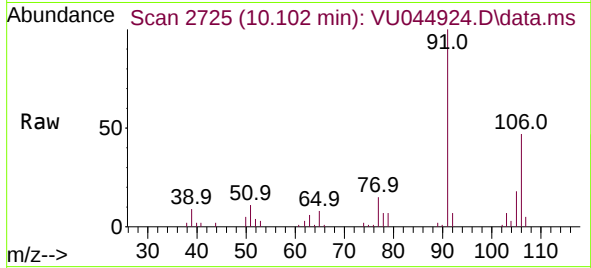




#69
o-Xylene
Concen: 2.144 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

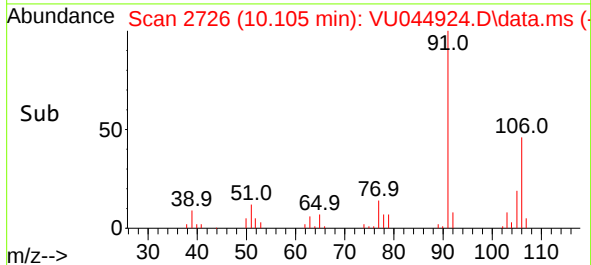
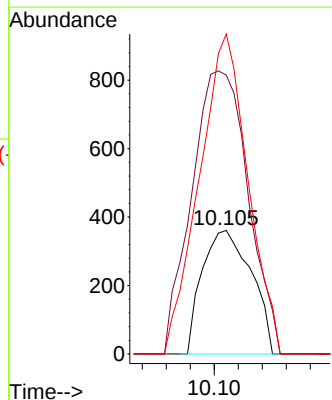
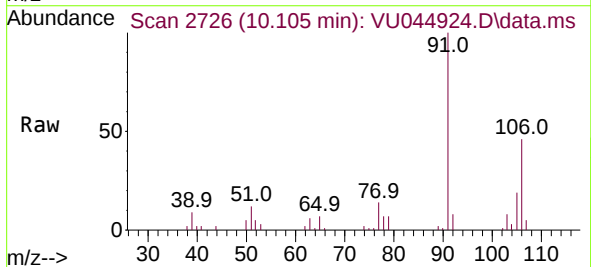
Instrument :
MSVOA_U
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

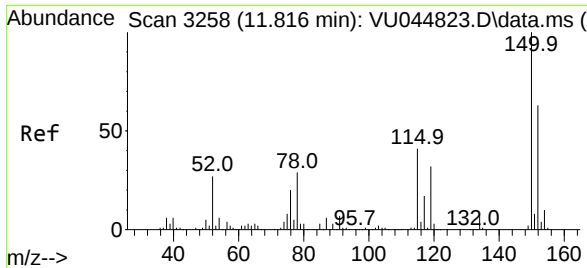
Tgt Ion:106 Resp: 9293
Ion Ratio Lower Upper
106 100
91 216.8 108.9 326.7



#70
Styrene
Concen: 1.073 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.013 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion:104 Resp: 513
Ion Ratio Lower Upper
104 100
78 264.1 41.4 62.0#
103 256.1 43.5 65.3#

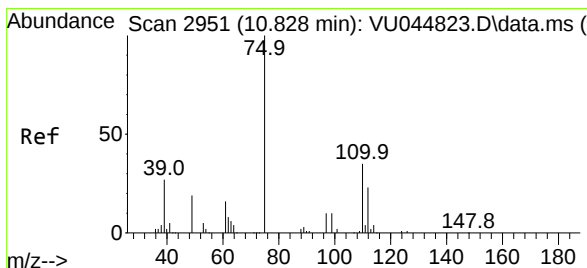
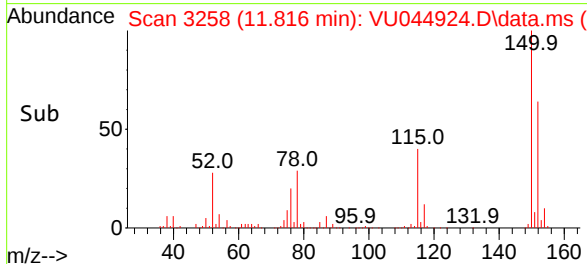
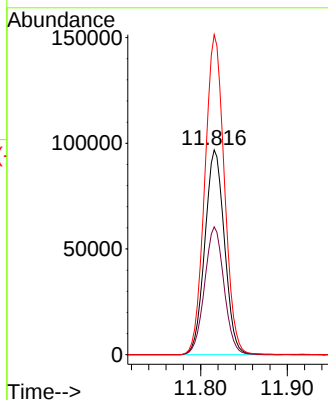
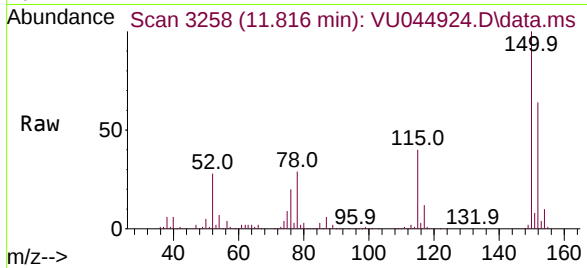




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. -0.000 min
 Lab File: VU044924.D
 Acq: 28 Sep 2021 06:11

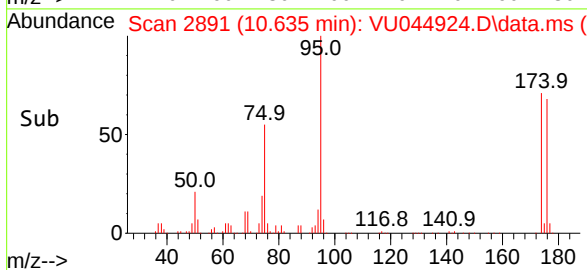
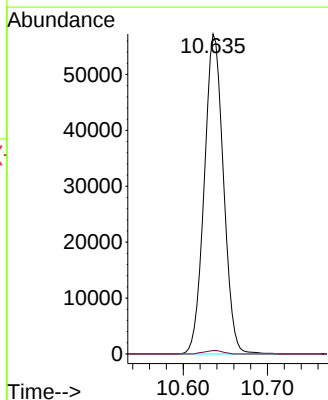
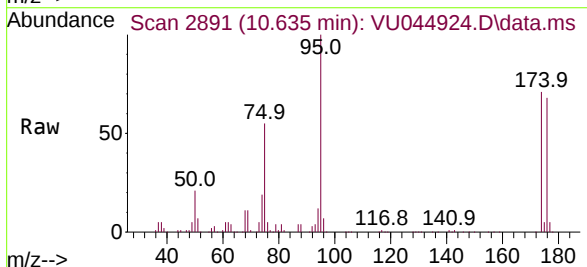
Instrument :
 MSVOA_U
 ClientSampleId :
 JET-GROUT-SPOIL-STEEL-WHEEL

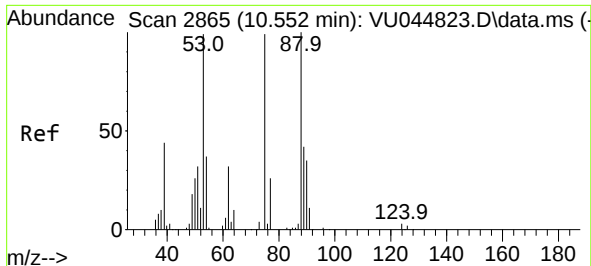
Tgt Ion:152 Resp: 152428
 Ion Ratio Lower Upper
 152 100
 115 62.0 43.5 130.7
 150 155.7 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.641 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU044924.D
 Acq: 28 Sep 2021 06:11

Tgt Ion: 75 Resp: 90659
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#

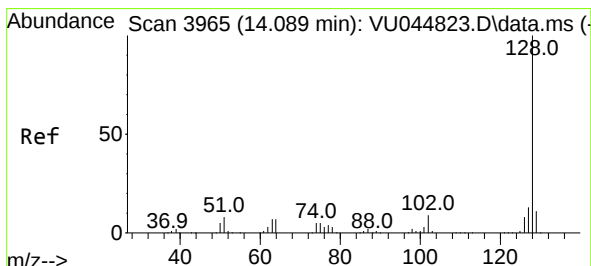
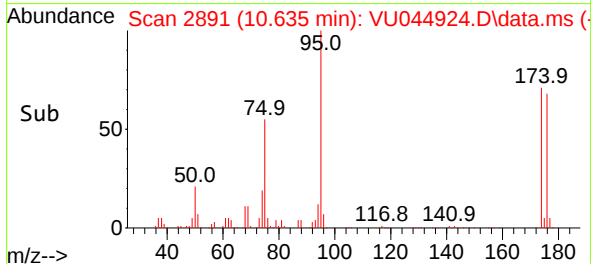
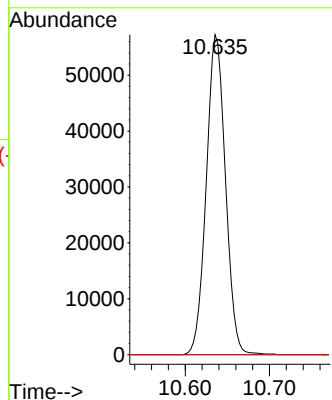
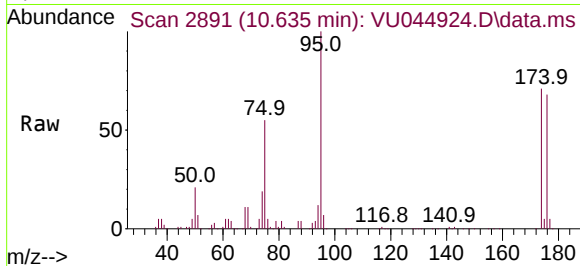




#81
trans-1,4-Dichloro-2-butene
Concen: 63.626 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Instrument :
MSVOA_U
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

Tgt Ion: 75 Resp: 90659
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.241 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044924.D
Acq: 28 Sep 2021 06:11

Tgt Ion:128 Resp: 3554
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 7.7 8.6 13.0#

